

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 665009	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/JP2005/002194	International filing date (day/month/year) 08/02/2005	(Earliest) Priority Date (day/month/year) 09/02/2004
Applicant TANABE SEIYAKU CO., LTD.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 5 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. **Certain claims were found unsearchable** (See Box II).

3. **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,

the text is approved as submitted by the applicant.

the text has been established by this Authority to read as follows:

ALPHA-4 INTEGRIN MEDIATED CELL ADHESION INHIBITORS FOR THE TREATMENT OR PREVENTION OF INFLAMMATORY DISEASES

5. With regard to the **abstract**,

the text is approved as submitted by the applicant.

the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

- a. the figure of the **drawings** to be published with the abstract is Figure No. _____

as suggested by the applicant.

as selected by this Authority, because the applicant failed to suggest a figure.

as selected by this Authority, because this figure better characterizes the invention.

- b. none of the figures is to be published with the abstract.

10/588235

IAP11 Rec'd PCT/JP 09 AUG 2006

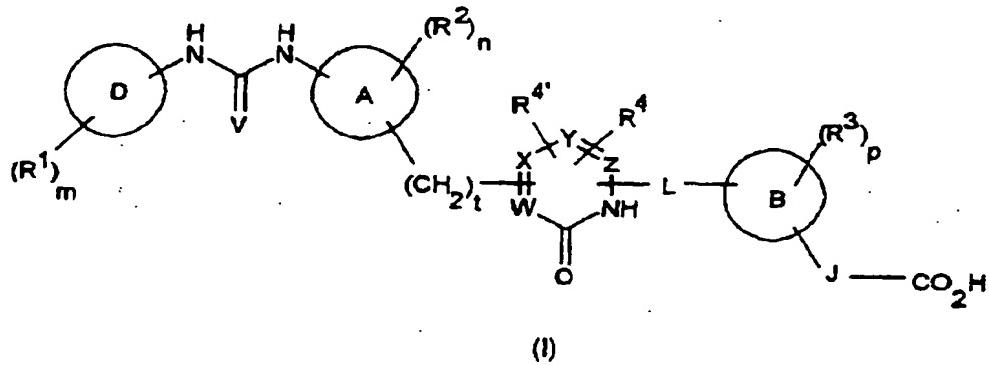
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Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)

The present invention relates to novel compounds of formula (I), processes for their preparation, compositions comprising them and their use in the treatment or prevention of diseases capable of being modulated by the inhibition of cell adhesion.



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International Application No

PCT/JP2005/002194

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07D237/14 C07D239/36 C07D241/18 A61K31/513 A61P29/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07D A61K A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	WO 2004/014859 A (TANABE SEIYAKU CO., LTD; WITHERINGTON, JASON; ELLIOTT, RICHARD, LEONAR) 19 February 2004 (2004-02-19) cited in the application the whole document -----	1-20
A	EP 1 323 709 A (TORAY INDUSTRIES, INC) 2 July 2003 (2003-07-02) the whole document -----	1-20
A	WO 00/00477 A (PFIZER PRODUCTS INC; DUPLANTIER, ALLEN, JACOB; MILICI, ANTHONY, JOHN;) 6 January 2000 (2000-01-06) the whole document -----	1-20

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

° Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search

13 May 2005

Date of mailing of the international search report

24/05/2005

Name and mailing address of the ISA

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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:

Although claims 17-19 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- The additional search fees were accompanied by the applicant's protest.
- No protest accompanied the payment of additional search fees.

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Information on patent family members

International Application No

PCT/JP2005/002194

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
WO 2004014859	A	19-02-2004	AU CA WO	2003256069 A1 2493660 A1 2004014859 A2		25-02-2004 19-02-2004 19-02-2004
EP 1323709	A	02-07-2003	AU CA EP US CN WO	8624201 A 2422135 A1 1323709 A1 2004039040 A1 1458922 A 0222563 A1		26-03-2002 13-03-2003 02-07-2003 26-02-2004 26-11-2003 21-03-2002
WO 0000477	A	06-01-2000	AP AU AU BG BR CA CN CZ EA EP HR HU WO ID JP NO NZ OA PL SK TR UA US US ZA	1236 A 758939 B2 3841699 A 105190 A 9911701 A 2336625 A1 1308616 A 20004909 A3 4792 B1 1091943 A1 20000917 A1 0102477 A2 0000477 A1 27414 A 2002519344 T 20006600 A 508033 A 11577 A 345308 A1 20052000 A3 200003848 T2 66864 C2 6306887 B1 6355662 B1 9903777 A		14-01-2004 03-04-2003 17-01-2000 31-12-2001 20-03-2001 06-01-2000 15-08-2001 17-04-2002 26-08-2004 18-04-2001 28-02-2002 29-05-2002 06-01-2000 05-04-2001 02-07-2002 21-02-2001 20-12-2002 26-07-2004 03-12-2001 06-08-2002 21-06-2001 17-09-2001 23-10-2001 12-03-2002 04-12-2000